Form MMS 123A/123S - Electronic Version

Application for Permit to Drill a New Well

Lease G31376 **Area/Block** EI 290 **Well Name** 001 **ST** 00 **BP** 00 **Well Type** Exploration

Application Status Approved **Operator** 00730 Walter Oil & Gas Corporation

Pay.gov Amount: $1,959

Agency Tracking ID: EWL-APD-10946

Pay.gov Tracking ID: 254NOAGC

General Well Information

API Number 177104164900	**Approval Date** 01/06/2012	**Approved By** David LeLeux
Date of Request 10/19/2011	**Req Spud Date** 01/09/2012	**Kickoff Point** N/A
Water Depth (ft.) 205	**Drive Size (in)** 30	**Mineral Code** Hydrocarbon
RKB Elevation 80	**Drive Depth (ft.)** 465	**Subsea BOP** No
Verbal Approval Date	**Verbal Approval By**	

Proposed Well Location

Surface Location

LEASE (OCS) G31376	**Area/Block** EI 290	**Authority** Federal Lease

Entered NAD 27 Data	Calculated NAD 27 Departures	Calculated NAD 27 X-Y Coordinates
Lat: 28.36616222	N 440	**X** 1841120.369147
Lon: -91.82717417	E 8658	**Y** -108947.458896

Surface Plan N 9196 **Plan Lease (OCS)** G31376 **Area/Block** EI 290

Bottom Location

LEASE (OCS) G31376	**Area/Block** EI 290	

Entered NAD 27 Data	Calculated NAD 27 Departures	Calculated NAD 27 X-Y Coordinates
Lat: 28.36651583	N 307	**X** 1840127.615341
Lon: -91.83026167	E 9651	**Y** -108814.556129

Bottom Plan N 9196 **Plan Lease (OCS)** G31376 **Area/Block** EI 290

Approval Comments Conditions of Approval are included as an attachment.

Mitigations:

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Geologic Information

H2S Designation Absent	**H2S TVD**

Anticipated Geologic Markers

Name	**Top MD**
15,000' Sand	14045

Rig Information

RIG SPECIFICATIONS		**ANCHORS**	No
Rig Name	HERCULES 251		
Type	JACKUP	**ID Number**	99902
Function	DRILLING	**Constucted Year**	1978
Shipyard	BETHLEHEM	**Refurbished Year**	
RATED DEPTHS			
Water Depth	250	**Drill Depth**	25000
CERTIFICATES			
ABS/DNV	12/31/2013	**Coast Guard**	10/13/2012
SAFE WELDING AREA			
Approval Date	06/16/2009	**District**	5
Remarks			

OMB Control Number 1010-0141
OMB Approval Expires 11/30/2011

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Number	Question	Response	Response Text
1	Will you maintain quantities of mud and mud material (including weight materials and additives) sufficient to raise the entire system mud weight 1/2	YES	
2	If hydrocarbon-based drilling fluids were used, is the drilling rig outfitted for zero discharge and will zero discharge procedures be followed?	N/A	
3	If drilling the shallow casings strings riserless, will you maintain kill weight mud on the rig and monitor the wellbore with an ROV to ensure that it	N/A	
4	If requesting a waiver of the conductor casing, have you submitted a log to government agency G&G that is with in 500 feet of the proposed bottor	N/A	
5	Will the proposed operation be covered by an EPA Discharge Permit? (please provide permit number in comments for this question)	YES	GMG 290129
6	Will all wells in the well bay and related production equipment be shut-in when moving on to or off of an offshore platform, or from well to we	N/A	
7	Is the calculated daily volume possible from an uncontrolled blowout of this well greater than the daily volume included in the worst case discharge	NO	

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Permit Attachments

File Type	File Description	Status

Required Attachments

pdf	Drilling prognosis and summary of drilling, cementing, and mud processes	Attached
pdf	Directional Program	Attached
pdf	Proposed Well Location Plat	Attached
pdf	Engineering Calculation	Attached
pdf	BOP stack certification including statement regarding any modifications made since last certification	Attached
pdf	Proposed Wellbore Schematic	Attached
pdf	BOP & Diverter Schematics with Operating Procedures	Attached
pdf	Blind-shear ram capability and certification	Attached
pdf	Pore pressure (PP), Mud Weight (MW), and Fracture Gradient (FG) Plot	Attached

Optional/Supplemental Attachments

pdf	APD Checklist	Attached
pdf	Departure Request from 30 CFR 250.418(g)	Attached
pdf	Plus 10 Valve Schematic	Attached
pdf	29-1/2" 500 psi Rental Diverter Schematic and Operating Proc	Attached
pdf	Hercules 251 Choke and Kill System	Attached
pdf	Cement Calculations	Attached
pdf	Regulatory Requirements 250.415(f)	Attached
pdf	Drilling Fluid Program	Attached
pdf	Independent 3rd Party Qualifications	Attached
pdf	Hercules 251 BOP Certs of Compliance	Attached
pdf	Barite Statement	Attached
pdf	Hercules 251 BOP Control Schematic	Attached

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pdf	Conditions of Approval	Attached
pdf	NTL No. 2006-G20	Attached
pdf	PE Cert	Attached
pdf	NTL No. 2009-G16	Attached
pdf	NTL No. 2009-G10	Attached

Contacts Information

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Contact Description	Engineer

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Well Design Information

Interval Number 1 **Type** Casing **Name** Conductor

Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (ppg)
1	20.000	94.0	J-55	2110	520	1500	1500	8.5

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	26.000	Type	Diverter	Annular Test (psi)	0
Mud Weight (ppg)	9.0	Size (in)	30	BOP/Diverter Test (psi)	250
Mud Type Code	Water Base	Wellhead Rating (psi)	3000	Test Fluid Weight (ppg)	9.0
Fracture Gradient (ppg)	11.0	Annular Rating (psi)	0	Casing/Liner Test (psi)	250
Liner Top Depth (ft)	0.0	BOP/Diverter Rating (psi)	500	Formation Test (ppg)	11.0
Cement Volume (cu ft)	3000				

Interval Number 2 **Type** Casing **Name** Surface

Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (ppg)
1	13.375	68.0	K-55	3450	1950	4500	4500	9.0

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	17.500	Type	Blowout	Annular Test (psi)	3500
Mud Weight (ppg)	9.6	Size (in)	13.625	BOP/Diverter Test (psi)	5000
Mud Type Code	Water Base	Wellhead Rating (psi)	5000	Test Fluid Weight (ppg)	9.6
Fracture Gradient (ppg)	15.0	Annular Rating (psi)	5000	Casing/Liner Test (psi)	2600
Liner Top Depth (ft)	0.0	BOP/Diverter Rating (psi)	10000	Formation Test (ppg)	15.0
Cement Volume (cu ft)	4070				

Interval Number 3 **Type** Casing **Name** Production

Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (ppg)
1	9.625	53.5	Q-125	12390	8440	12000	12000	12.0

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	12.250	Type	Blowout	Annular Test (psi)	3500
Mud Weight (ppg)	12.5	Size (in)	13.625	BOP/Diverter Test (psi)	7000
Mud Type Code	Water Base	Wellhead Rating (psi)	10000	Test Fluid Weight (ppg)	12.5
Fracture Gradient (ppg)	17.5	Annular Rating (psi)	5000	Casing/Liner Test (psi)	7000
Liner Top Depth (ft)	0.0	BOP/Diverter Rating (psi)	10000	Formation Test (ppg)	17.5
Cement Volume (cu ft)	2500				

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Interval Number 4 **Type** Liner **Name** Production

Section Number	Casing Size (in)	Casing Weight (lb/ft)	Casing Grade	Burst Rating	Collapse Rating (psi)	Depth (ft) MD	Depth (ft) TVD	Pore Pressure (ppg)
1	7.625	39.0	P-110	12620	11080	14727	14500	15.0

GENERAL INFORMATION		PREVENTER INFORMATION		TEST INFORMATION	
Hole Size (in)	8.500	**Type**	Blowout	**Annular Test (psi)**	3500
Mud Weight (ppg)	16.0	**Size (in)**	13.625	**BOP/Diverter Test (psi)**	7000
Mud Type Code	Water Base	**Wellhead Rating (psi)**	10000	**Test Fluid Weight (ppg)**	16.0
Fracture Gradient (ppg)	18.5	**Annular Rating (psi)**	5000	**Casing/Liner Test (psi)**	2000
Liner Top Depth (ft)	11800.0	**BOP/Diverter Rating (psi)**	10000	**Formation Test (ppg)**	0.0
Cement Volume (cu ft)	340				

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